



OFFICE MEMORANDUM

DATE: May 10, 1997

TO: District Engineers
District Field Engineers
District Construction Engineers
Resident/Project Engineers
District Materials Supervisors
District Materials Engineers

FROM: Paul F. Miller
Engineer of Construction

Calvin Roberts
Engineer of Materials and Technology

**SUBJECT: JOINT CONSTRUCTION AND MATERIALS AND TECHNOLOGY
CIRCULAR LETTER 1997-A
Metrication of Concrete Plants and Their Use on Metric MDOT Projects**

In order to set uniform guidelines for concrete plant documentation, the following shall apply to all projects that utilize the 1996 Standard Specifications. Please note that this is only a clarification of the existing standards.

1. The 1996 Standard Specifications, 601.03, requires the use of a National Redi Mix Concrete Association (NRMCA) certified concrete plant.
 - A. The delivery ticket shall be computer generated and have target and actual weights printed in metric units or have an accompanying automated printout.
 - B. All units; batch weights (kg/m^3), cubic meter batched (m^3), water (L) additives ($\text{ml}/100\text{kg}$), will be required to be in the metric standard.

Plants located within 40 km of the project that meet this standard will be used.

2. NRMCA certified plants that do not have metric printers may hand print the conversions from English units to metric units on the delivery ticket and the accompanying automated printout. These plants should only be used if a metric plant, as per #1, is not available.
3. If there is no NRMCA certified plant in the area, a fully automated concrete plant may be used but will need to provide the proper tickets, converted to metric units, including target and batch weights.
4. Manual plants will only be permitted with the approval of the Engineer when there is no other source of concrete for the project. Proper tickets and weights, in metric units, will still be required.

May 10, 1997

Any questions may be directed to John LaVoy at (517) 335-2244 or Jeff Grossklaus at (517) 322-5685.

Engineer of Construction

Engineer of Materials and Technology

Subject Index: Metrication

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